Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-25. (Cancelled)

26. (Currently amended) An optical storage medium ~~for storing data for access by a data processing system, said optical storage medium including~~comprising:

a plurality of content object files including a plurality of data types having a plurality of data formats for playback on a data processing system appropriate for playback of at least one data format;

an application layer including a generic logic format having a data structure in which the ~~data contents~~ content object files are stored on the optical storage ~~medium may include different data types having different data formats, wherein said optical storage medium comprises~~ medium; and

a physical layer directly linked to a physical character of the optical storage medium, ~~and an~~ wherein the application layer~~,~~ is separate from said physical layer,

~~said application layer comprising~~ wherein said generic logic format comprises:

at least two content object files~~, each containing data contents of a particular data type and data format,~~ wherein the data format ~~for~~ of at least two of the content object files ~~are~~ is different;

at least one object definition file associated with ~~the~~ each content object file, the at least one object definition file being written in a meta-language and describing the data type and data format in one of said at least ~~one~~ two content object ~~file~~ files; and

an index file being written in a meta-language and including a table of contents having a reference to one of the at least ~~one~~ two content object ~~file~~ files.

27. (Previously presented) The optical storage medium as claimed in claim 26, wherein the meta-language includes one of the following: Extensible Markup Language (XML), Synchronized

Multimedia Integrated Language (SMIL), and a custom-defined meta-language.

28. (Previously presented) The optical storage medium as claimed in claim 26, wherein the application layer further comprises

a plurality of content object files each containing a different data type and data format,

a corresponding plurality of object definition files each defining the data type and data format in the corresponding content object file, and

a presentation file, the presentation file including presentation definitions of the content object files to be played.

29. (Previously presented) The optical storage medium as claimed in claim 28, wherein the application layer further comprises a file system.

30. (Previously presented) The optical storage medium as claimed in claim 29, wherein the presentation file includes a

playlist definition file, and wherein the playlist definition file is written in a meta-language.

31. (Withdrawn) A disc player for playing back a disc having a logic format that includes at least a content object containing data contents, an object definition file associated with the object for describing the object, and an index file including a table of contents having a reference to the object, the player comprising:

means for parsing the index file to obtain the table of contents;

means for prompting a user to select the object;

means for parsing the object definition file to determine whether the object selected is playable; and

means for playing back the object.

32. (Withdrawn) The player of claim 31, further comprising means for including the object in a new table of contents if the object is playable.

33. (Withdrawn) The player of claim 32, further comprising means for presenting the new table of contents to the user.

34. (Withdrawn) The player of claim 31, wherein the parsing means includes means for obtaining a parser from the disc for parsing the index file if the parser is not available in the player.

35. (Withdrawn) The player of claim 34, wherein the obtaining means obtains the parser from the Internet if the parser is neither in the player nor on the disc.

36. (Withdrawn) A method for playing back a disc having a logic format that includes at least one content object containing data contents, an object definition file associated with the object for describing the object, and an index file including a table of contents having a reference to the object, the method comprising the steps of:

parsing the index file to obtain the table of contents;

prompting a user to select the object;

parsing the object definition file to determine whether the object selected is playable; and

playing back the object.

37. (Withdrawn) The method of claim 36, further comprising a step of including the object in a new table of contents if the object is playable.

38. (Withdrawn) The method of claim 37, further comprising a step of presenting the new table of contents to the user.

39. (Withdrawn) The method of claim 36, wherein the parsing step includes a step of obtaining a parser from the disc for parsing the index file.

40. (Withdrawn) The method of claim 39, wherein the obtaining step includes a step of obtaining the parser from the Internet if the parser is not on the disc.